Fig. 1/6

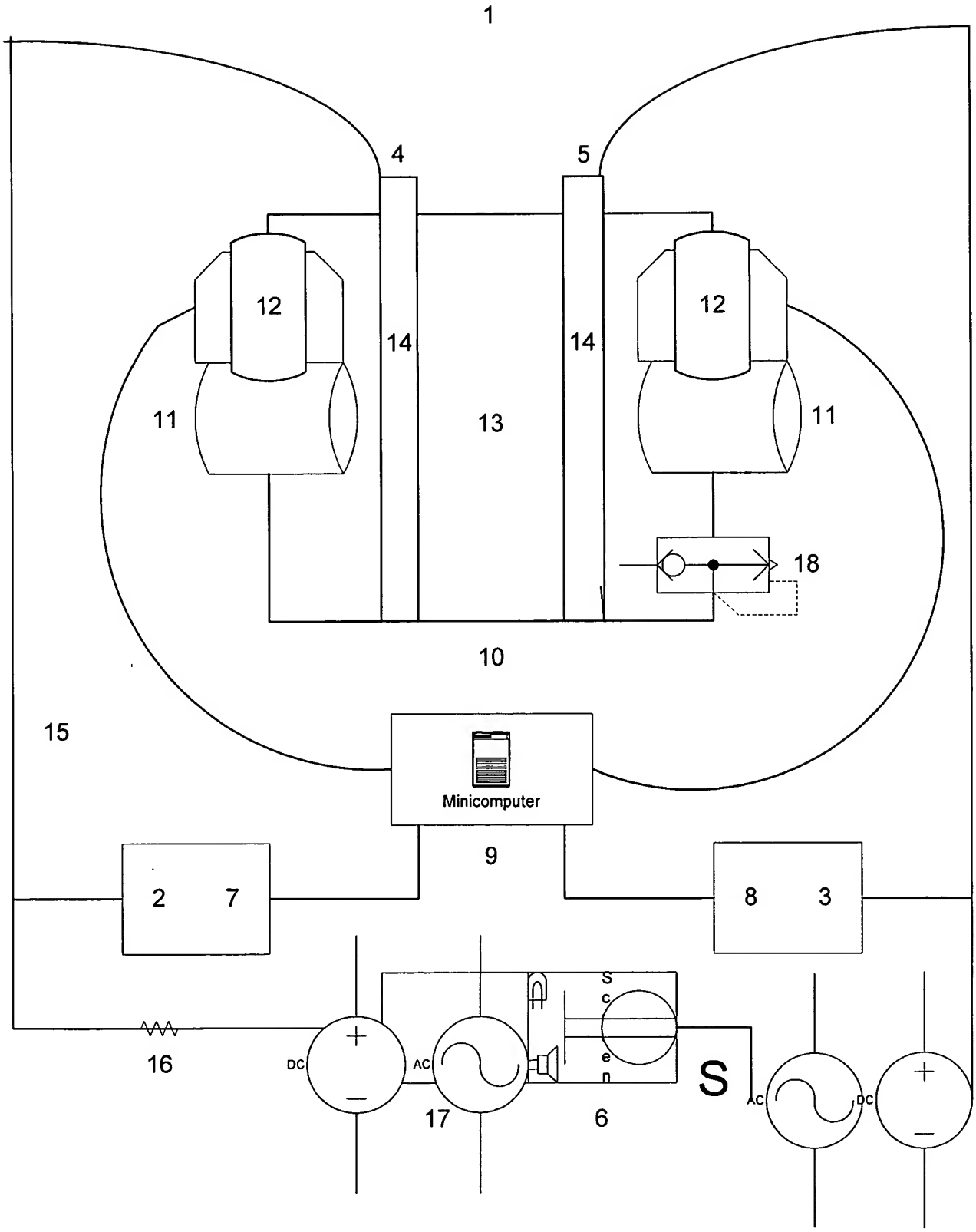

1
4
5
12
12
14
14
11
13
11
18
10
15
Minicomputer
9
2
7
8
3
16
DC
AC
17
S
c
e
n
6
S
AC
DC

Fig. 2/6

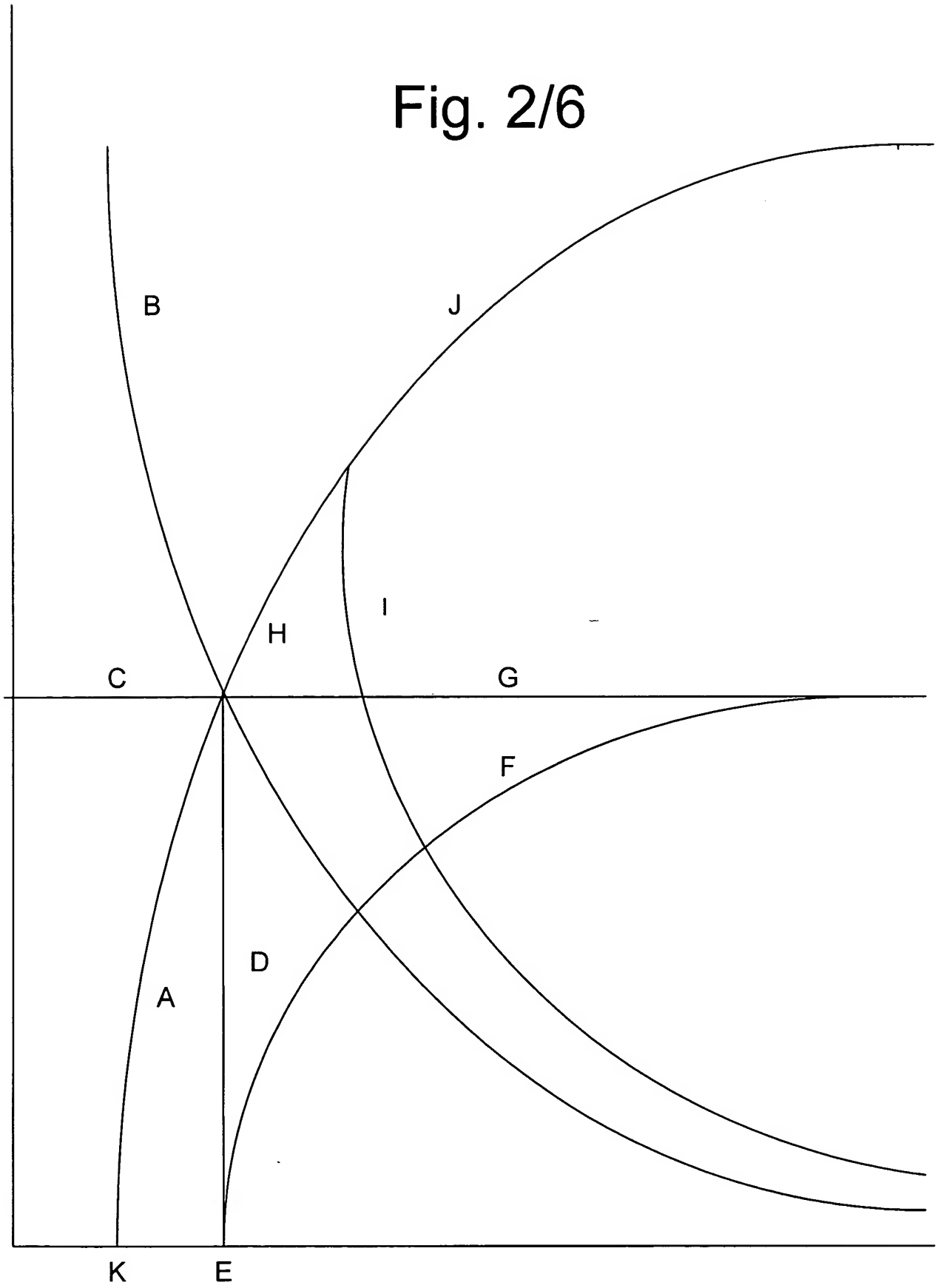


Fig. 3/6

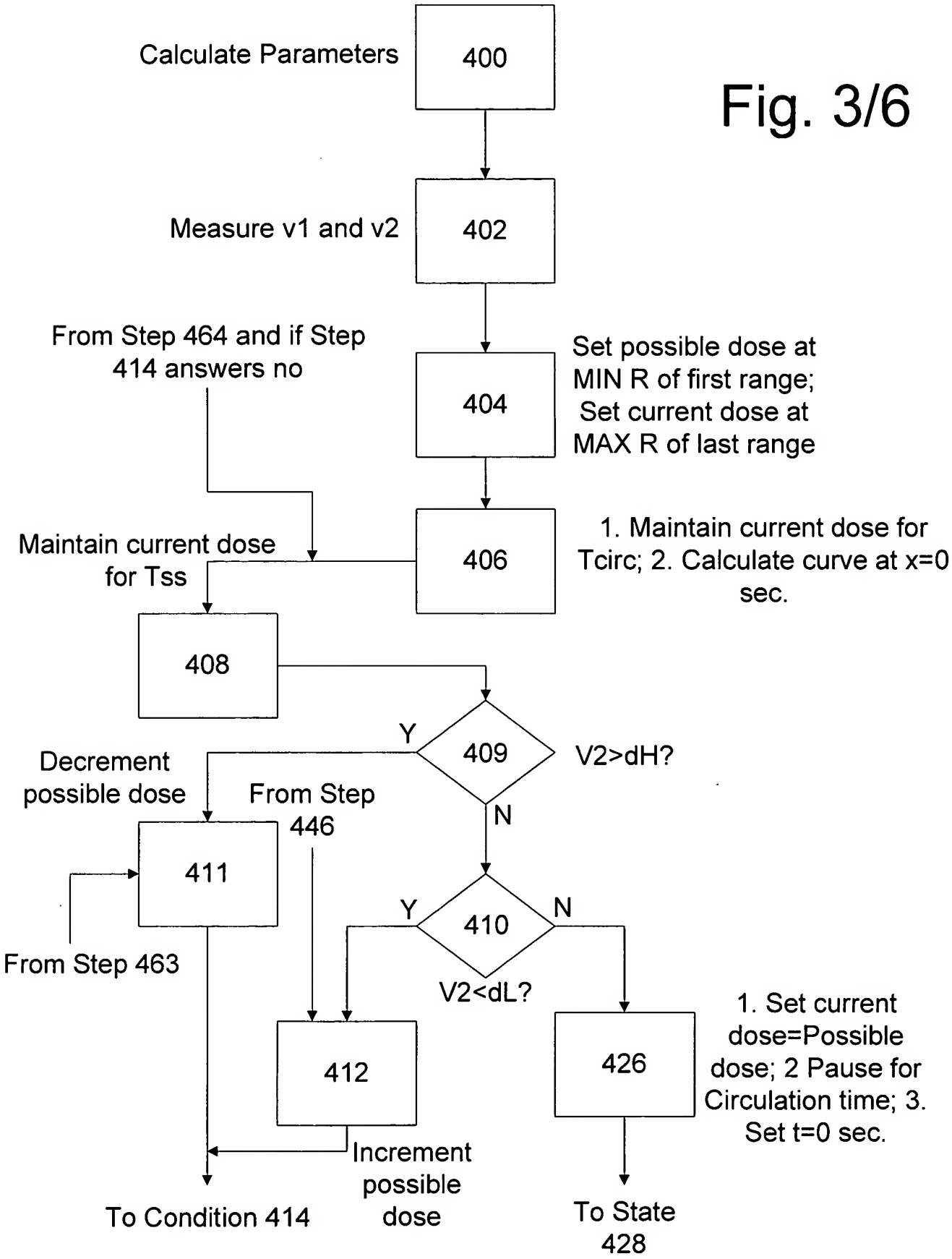

Calculate Parameters
400
Measure v1 and v2
402
From Step 464 and if Step 414 answers no
404
Set possible dose at MIN R of first range; Set current dose at MAX R of last range
Maintain current dose for Tss
406
1. Maintain current dose for Tcirc; 2. Calculate curve at x=0 sec.
408
Y
409
V2>dH?
N
Decrement possible dose
From Step 446
411
From Step 463
Y
410
N
V2<dL?
412
426
1. Set current dose=Possible dose; 2 Pause for Circulation time; 3. Set t=0 sec.
Increment possible dose
To Condition 414
To State 428

Fig.4/6

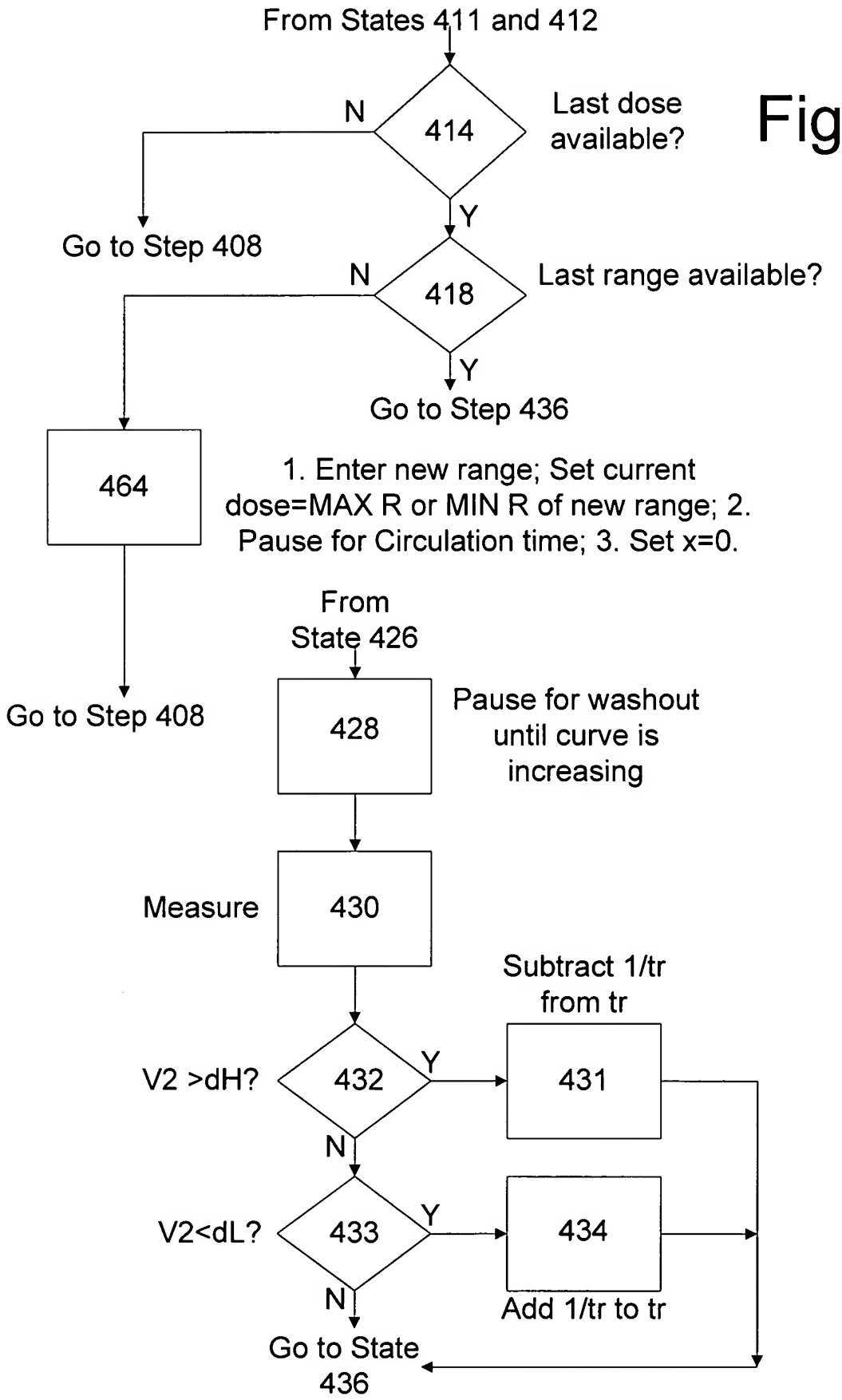

From States 411 and 412
414
Last dose available?
N
Y
Go to Step 408
418
Last range available?
N
Y
Go to Step 436
464
1. Enter new range; Set current dose=MAX R or MIN R of new range; 2. Pause for Circulation time; 3. Set x=0.
Go to Step 408
From State 426
428
Pause for washout until curve is increasing
Measure
430
Subtract 1/tr from tr
V2 >dH?
432
Y
431
N
V2<dL?
433
Y
434
N
Add 1/tr to tr
Go to State 436

Fig. 5/6

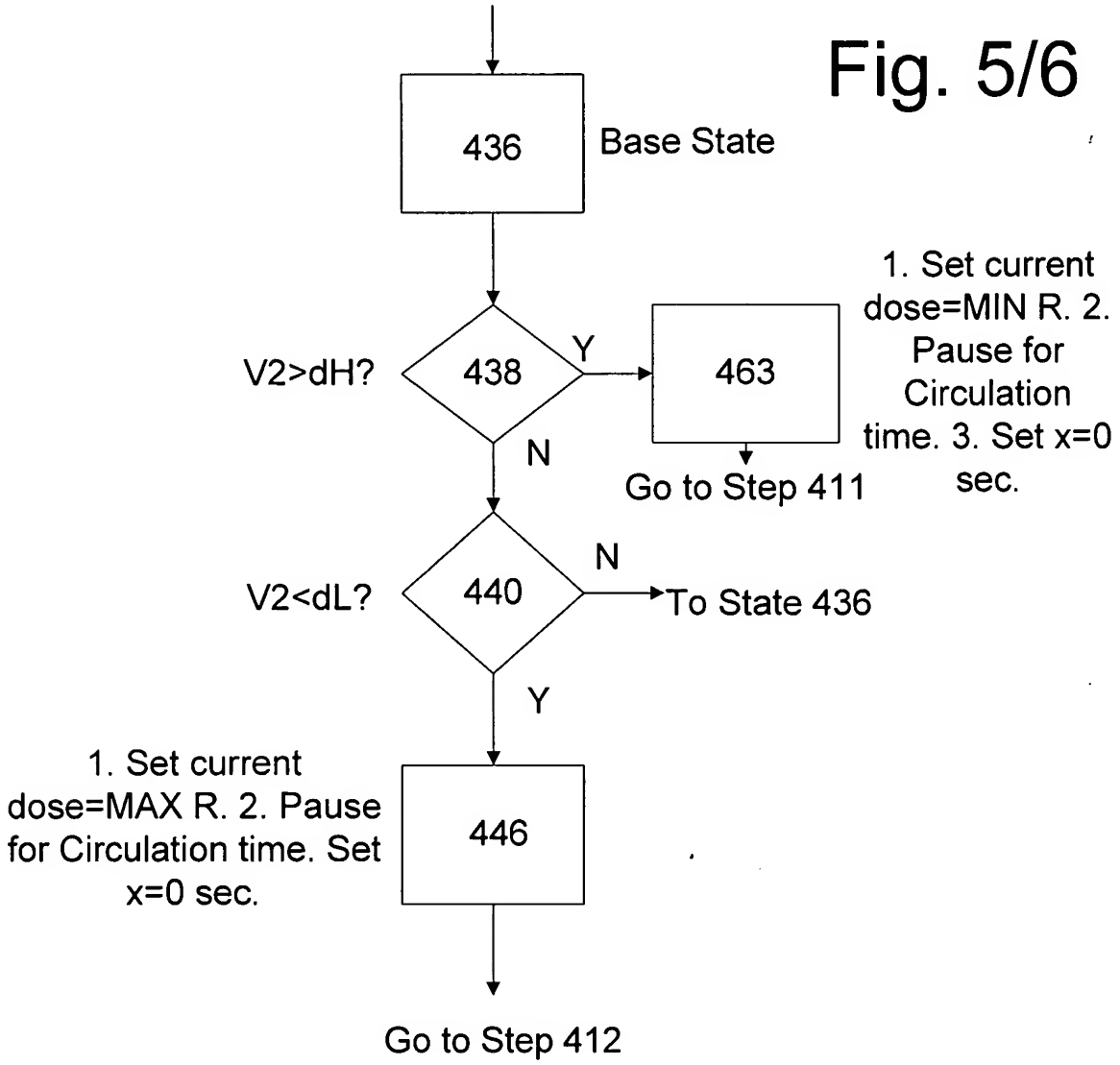
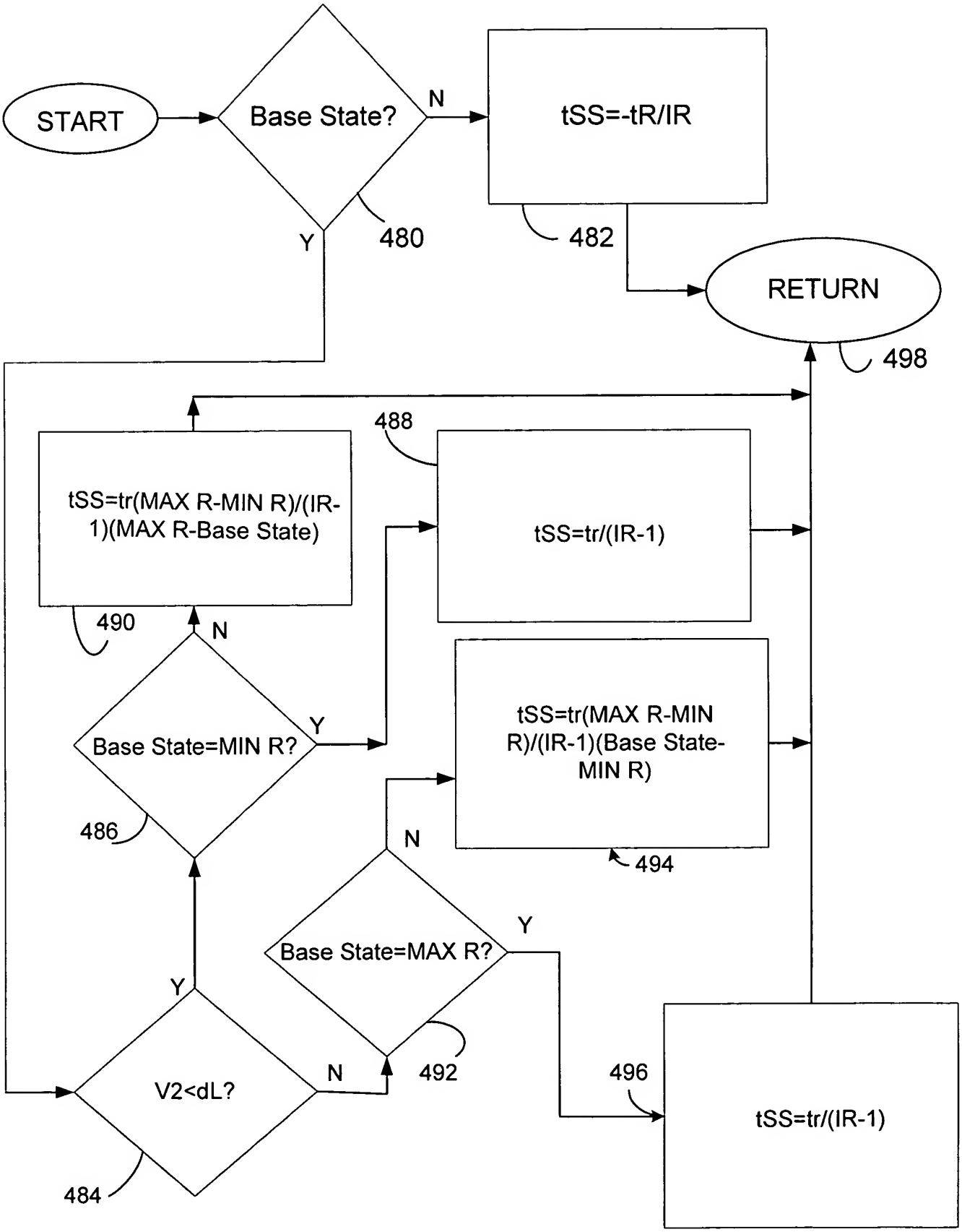

From Steps 431, 434, if Condition 418 answers yes, and if Conditions 433 and 440 answer no
436
Base State
V2>dH?
438
Y
463
1. Set current dose=MIN R. 2. Pause for Circulation time. 3. Set x=0 sec.
N
Go to Step 411
V2<dL?
440
N
To State 436
Y
1. Set current dose=MAX R. 2. Pause for Circulation time. Set x=0 sec.
446
Go to Step 412

Fig. 6/6


START
Base State?
N
Y
480
tSS=-tR/IR
482
RETURN
498
488
tSS=tr(MAX R-MIN R)/(IR-1)(MAX R-Base State)
tSS=tr/(IR-1)
490
N
Base State=MIN R?
Y
tSS=tr(MAX R-MIN R)/(IR-1)(Base State-MIN R)
486
N
494
Base State=MAX R?
Y
Y
V2<dL?
N
492
496
tSS=tr/(IR-1)
484